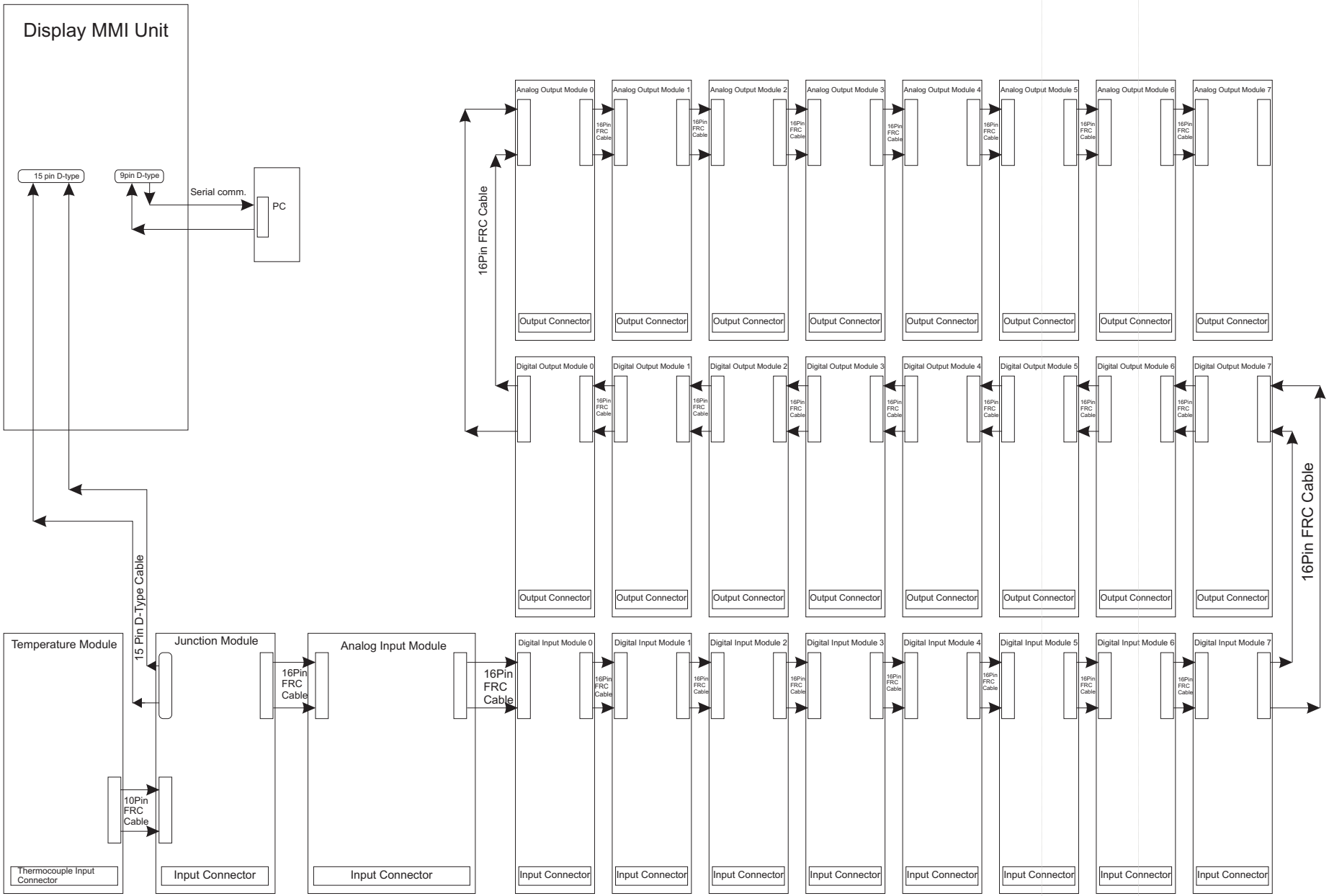
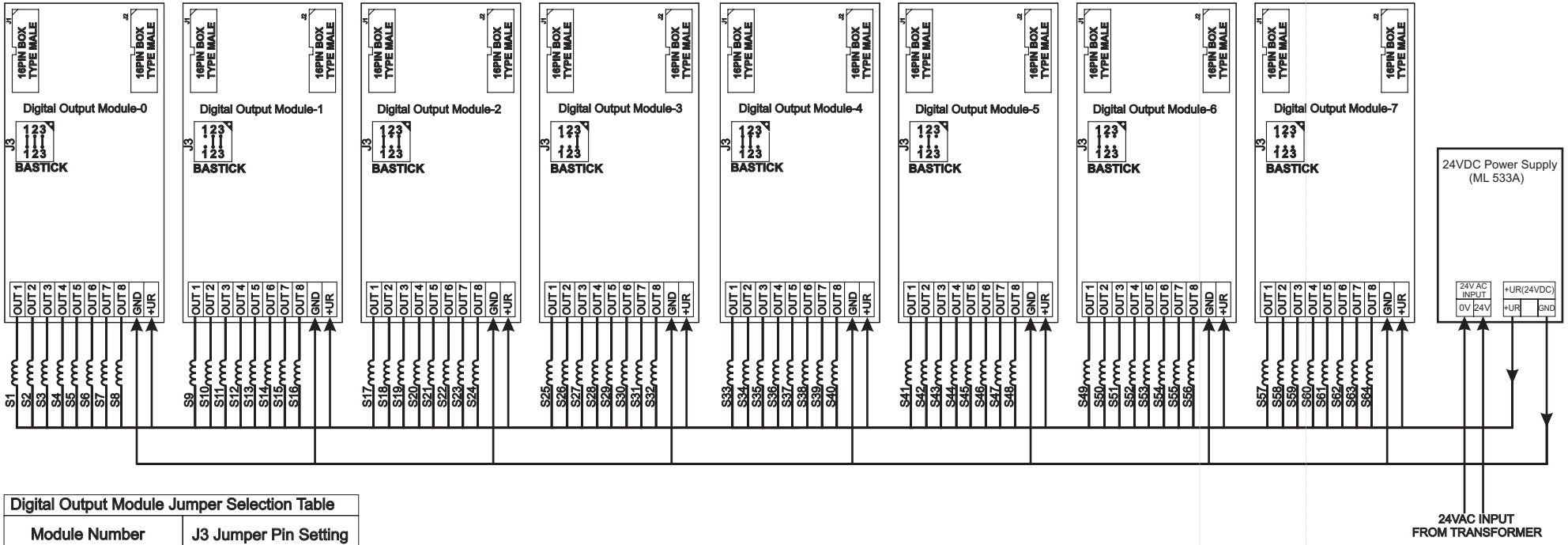
Block Diagram



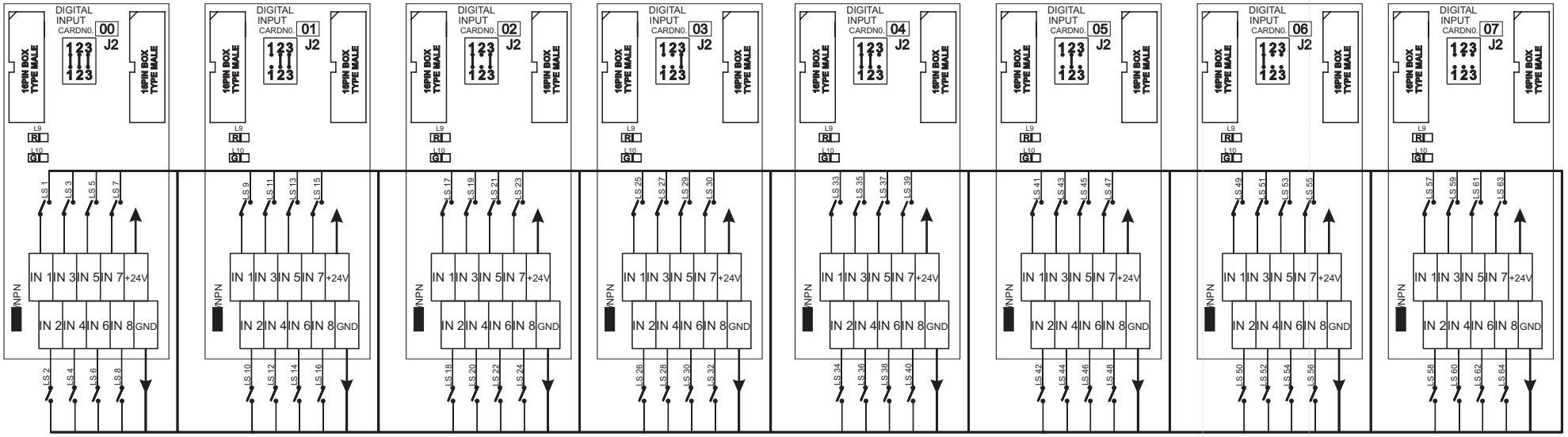
Wiring Diagram For 24VDC Digital Output Module With NPN OUTPUT (Negative Logic)



Digital Output Module Jumper Selection Table	
Module Number	J3 Jumper Pin Setting
Digital Output Module-0	
Digital Output Module-1	
Digital Output Module-2	
Digital Output Module-3	
Digital Output Module-4	
Digital Output Module-5	
Digital Output Module-6	
Digital Output Module-7	

Note: All Digital output modules are the same.
J3 position decides digital output module number.
For ex. for **J3=0** (Module No: 0), the corresponding outputs will be from S1 to S8.
for **J3=1** (Module No: 1), the corresponding outputs will be from S9 to S16 and so on.
For description of S1.. To SX, Please refer INPUT/OUTPUT list in the operating manual.
All digital output modules are same and can be identified by the jumper setting of **J3**.

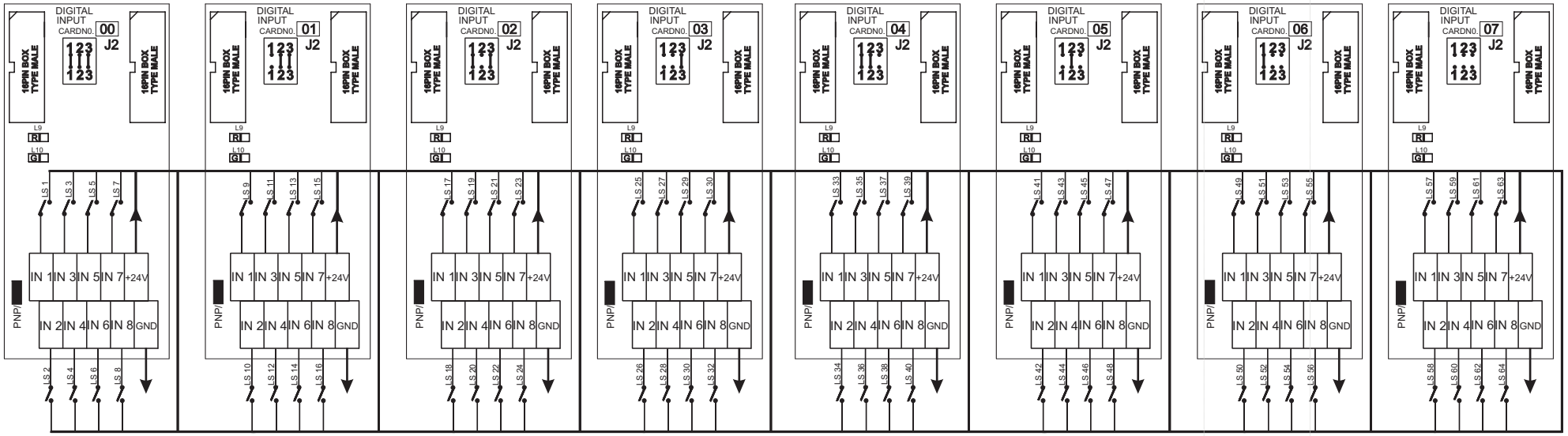
Wiring Diagram For Digital Input Module With NPN Type (Negative Logic)



Digital Input Module Jumper Selection Table	
Module Number	**J2 Jumper Pin Setting**
Digital Input Module-0	
Digital Input Module-1	
Digital Input Module-2	
Digital Input Module-3	
Digital Input Module-4	
Digital Input Module-5	
Digital Input Module-6	
Digital Input Module-7	

Note: All Digital input modules are the same.
J2 position decides digital input module number.
For ex. for **J2=0** (Module No: 0), the corresponding inputs will be from **LS1** to **LS8**.
for **J2=1** (Module No: 1), the corresponding inputs will be from **LS9** to **LS16** and so on.
For description of LS1.. To LSX, Please refer INPUT/OUTPUT list in the operating manual.
All digital input modules are same and can be identified by the jumper setting of **J2**.

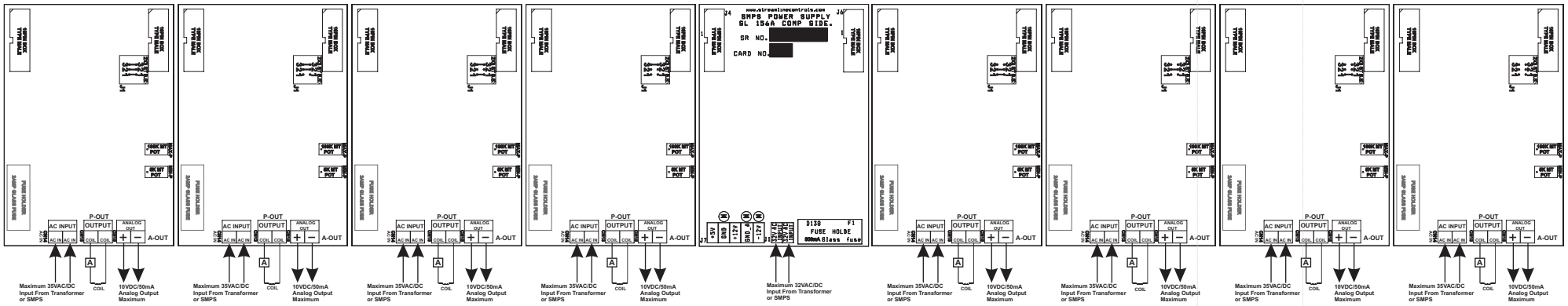
Wiring Diagram For Digital Input Module With PNP Type (Positive Logic)

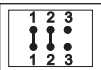
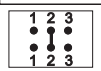
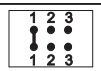
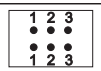


Digital Input Module Jumper Selection Table	
Module Number	**J2 Jumper Pin Setting**
Digital Input Module-0	
Digital Input Module-1	
Digital Input Module-2	
Digital Input Module-3	
Digital Input Module-4	
Digital Input Module-5	
Digital Input Module-6	
Digital Input Module-7	

Note: All Digital input modules are the same.
J2 position decides digital input module number.
For ex. for **J2=0** (Module No: 0), the corresponding inputs will be from **LS1** to **LS8**.
for **J2=1** (Module No: 1), the corresponding inputs will be from **LS9** to **LS16** and so on.
For description of LS1.. To LSX, Please refer INPUT/OUTPUT list in the operating manual.
All digital input modules are same and can be identified by the jumper setting of **J2**.

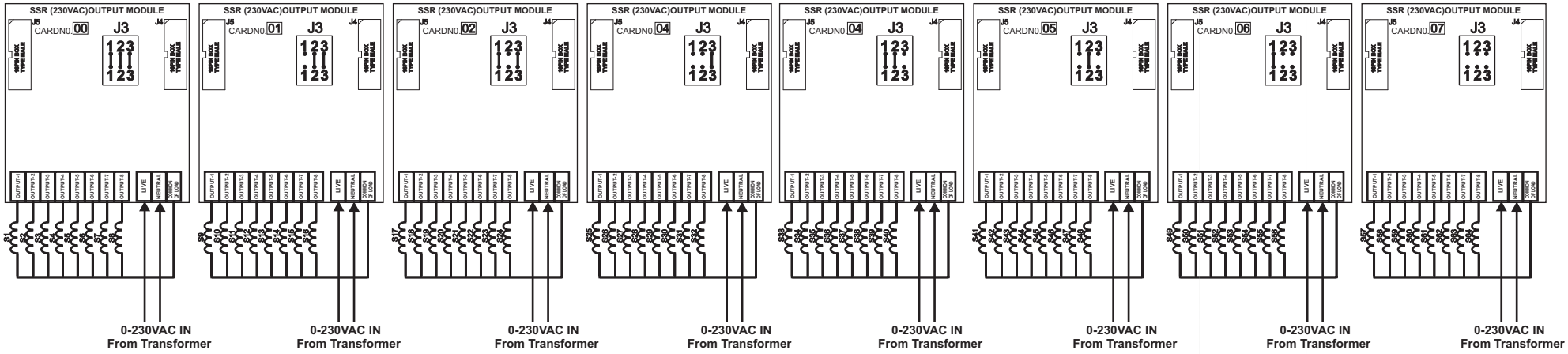
Wiring Diagram For Analog Output Module



Analog Module Jumper Selection Tabel	
Module Number	J1 Jumper Pin Setting
Analog Output Module-0	
Analog Output Module-1	
Analog Output Module-2	
Analog Output Module-3	
Analog Output Module-4	
Analog Output Module-5	
Analog Output Module-6	
Analog Output Module-7	

Note: All Analog Output modules are the same.
J1 position decides ANALOG output module number.
For ex. for **J1=0** (Module No: 0), the corresponding output will be AN3 (Analog Output 3).
for **J1=1** (Module No: 1), the corresponding output will be AN4 (Analog Output 4).
For description of AN1.. To ANX, Please refer INPUT/OUTPUT list in the operating manual.
All Analog output modules are same and can be identified by the jumper setting of **J1**.

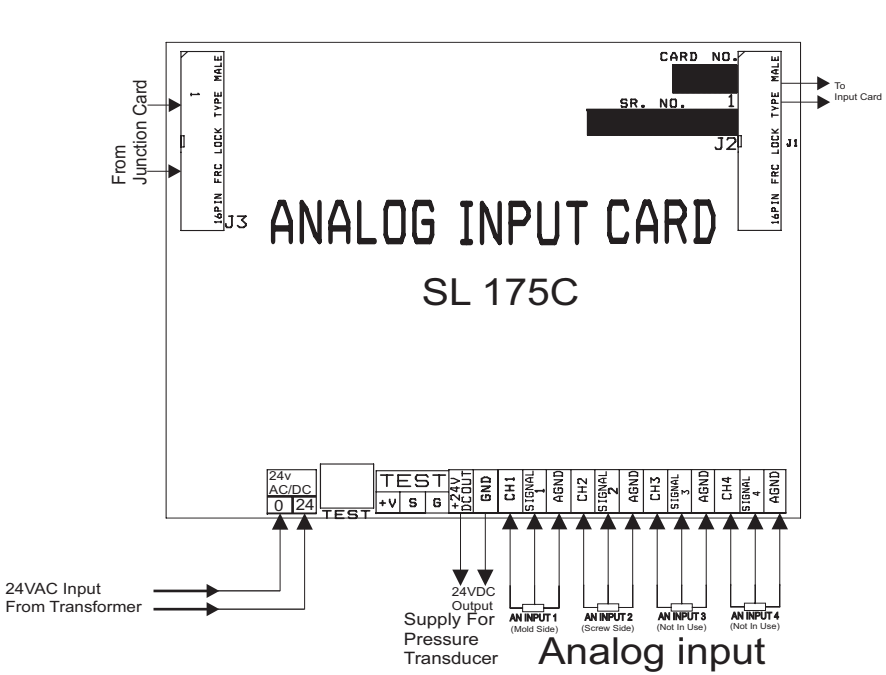
Wiring Diagram For 230VAC SSR Output Module

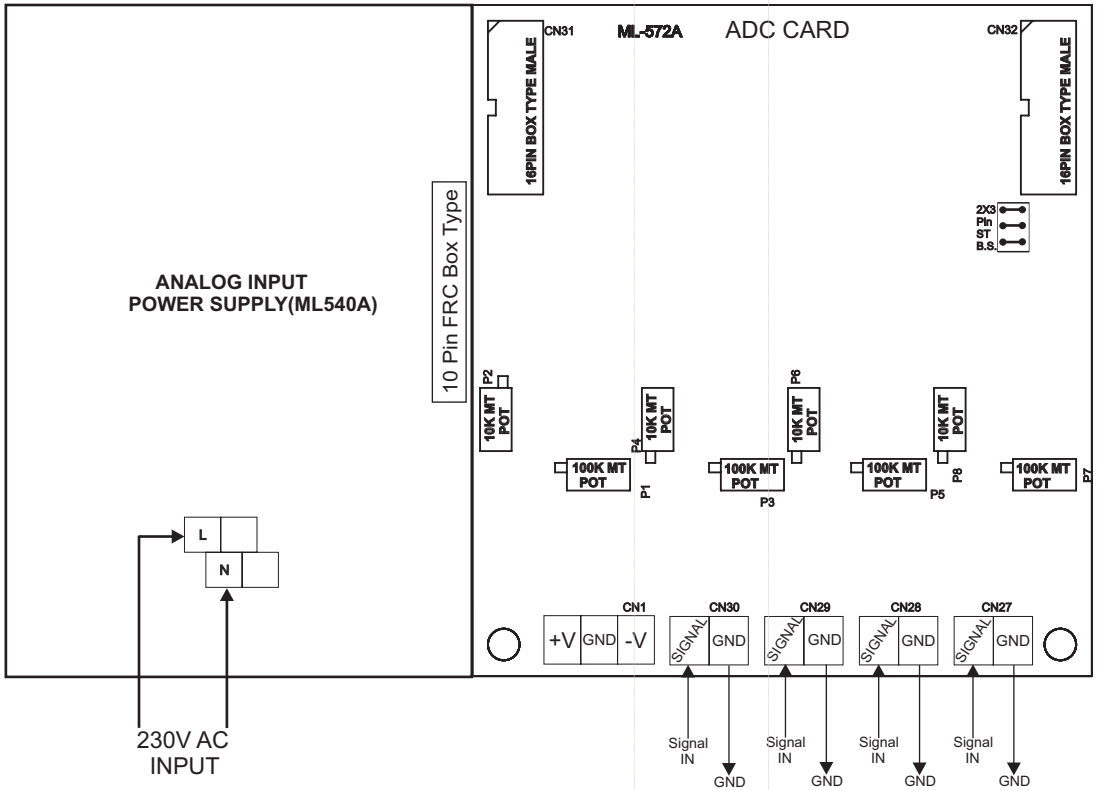


SSR Module Jumper Selection Tabel	
Module Number	J3 Jumper Pin Setting
SSR Output Module-0	1 2 3 / 1 2 3
SSR Output Module-1	1 2 3 / 1 2 3
SSR Output Module-2	1 2 3 / 1 2 3
SSR Output Module-3	1 2 3 / 1 2 3
SSR Output Module-4	1 2 3 / 1 2 3
SSR Output Module-5	1 2 3 / 1 2 3
SSR Output Module-6	1 2 3 / 1 2 3
SSR Output Module-7	1 2 3 / 1 2 3

Note: All SSR output modules are the same.
J3 position decides SSR output module number.
For ex. for **J3=0** (Module No: 0), the corresponding outputs will be from S1 to S8.
for **J3=1** (Module No: 1), the corresponding outputs will be from S9 to S16 and so on.
For description of S1.. To SX, Please refer INPUT/OUTPUT list in the operating manual.
All SSR output modules have same physical circuit layout are identified by the jumper setting of **J3**.

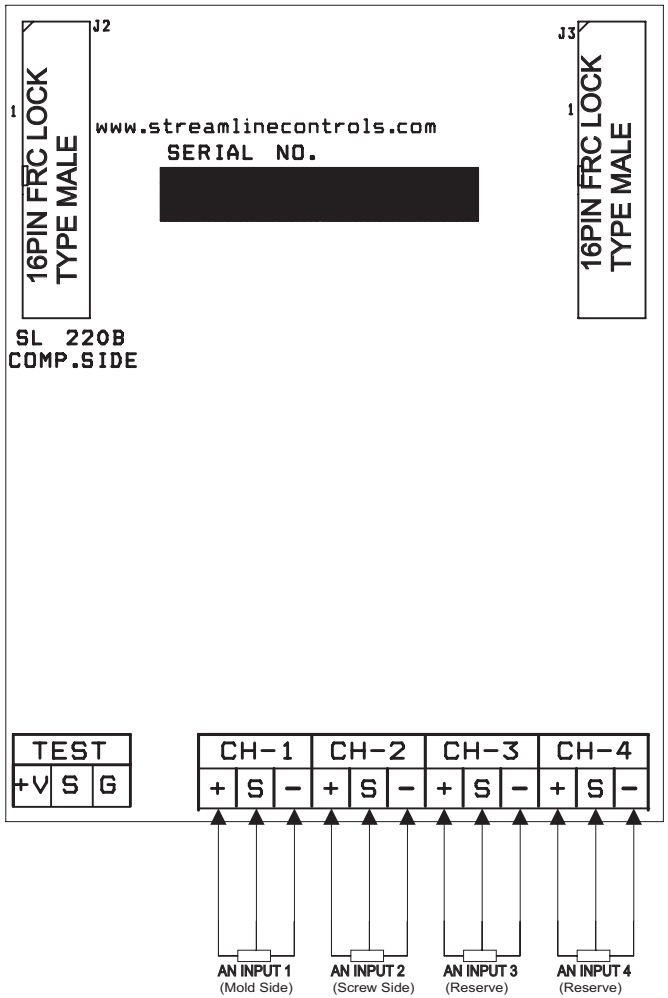
Wiring Diagram For Analog Input Module





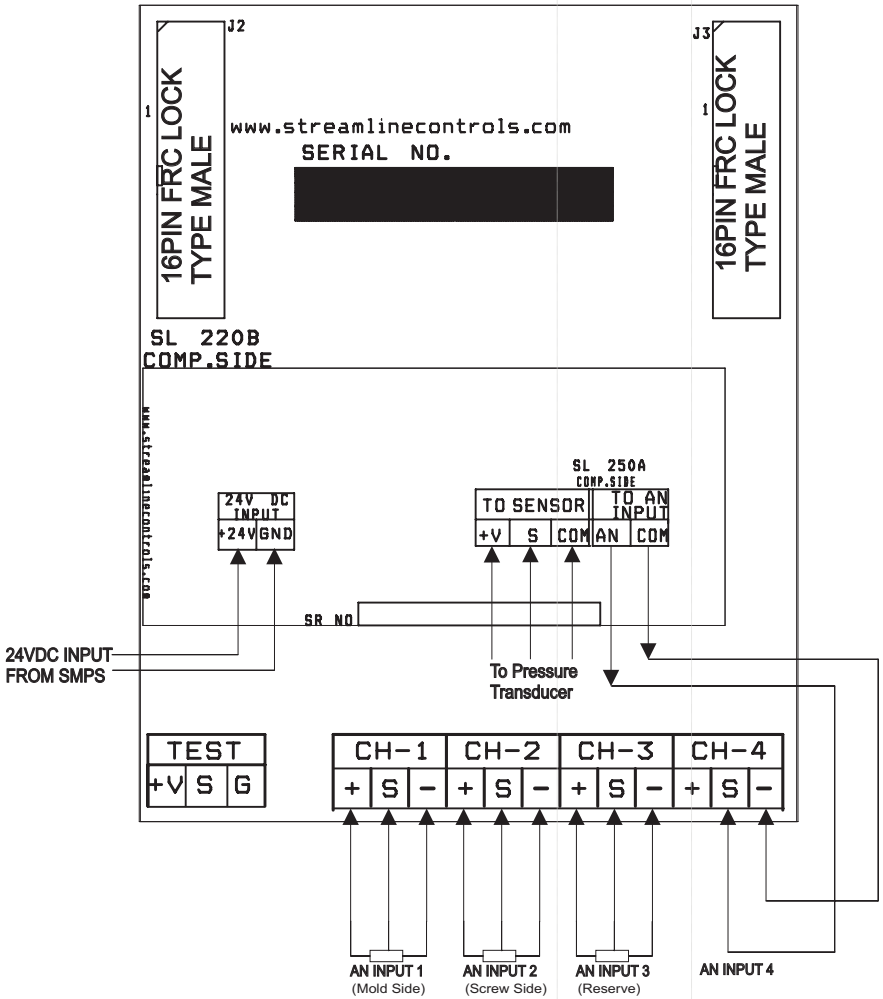
Wiring Diagram For Analog Input Module

Analog Input Card Without
Pressure Transducer Supply

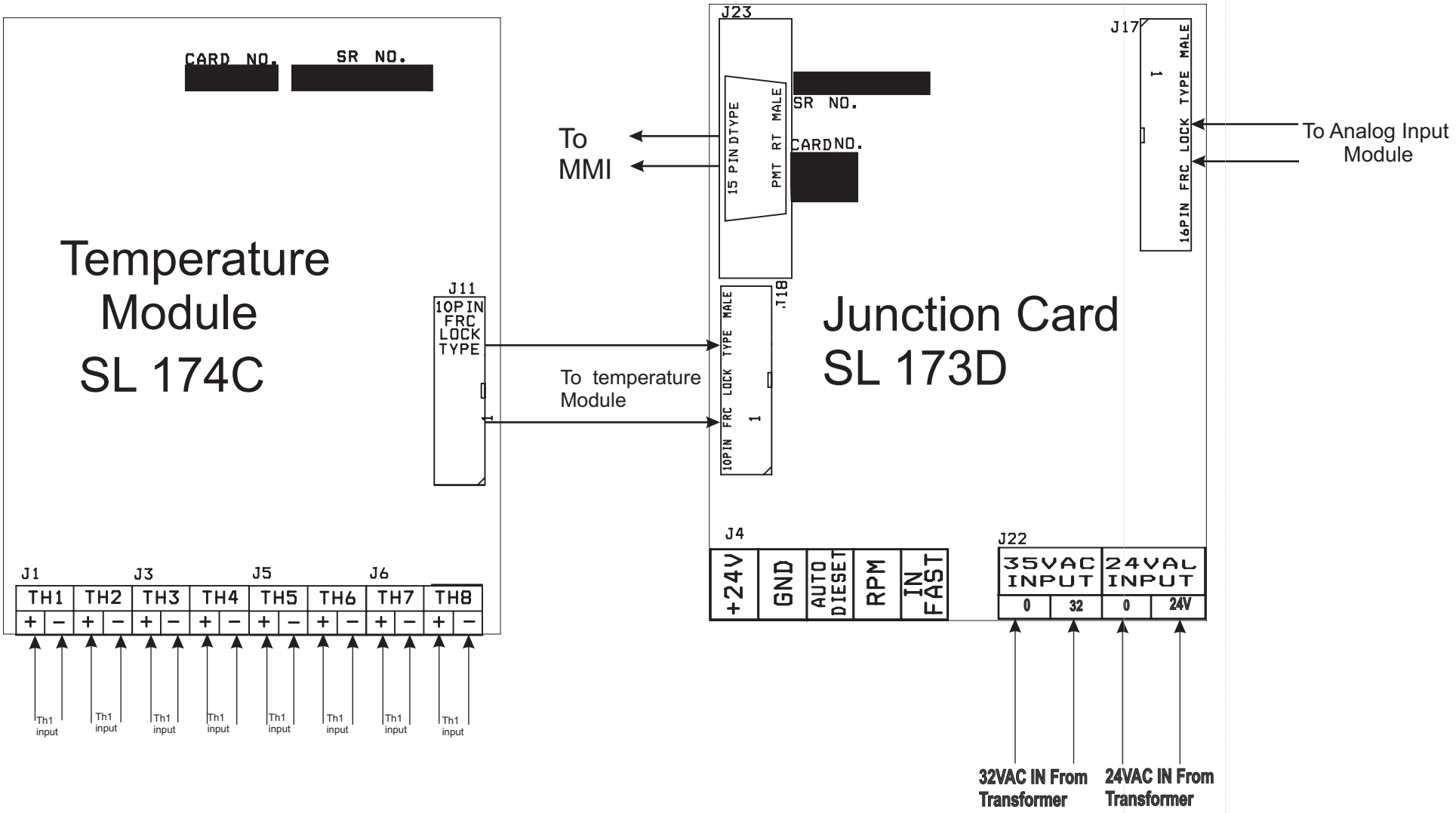


Analog input

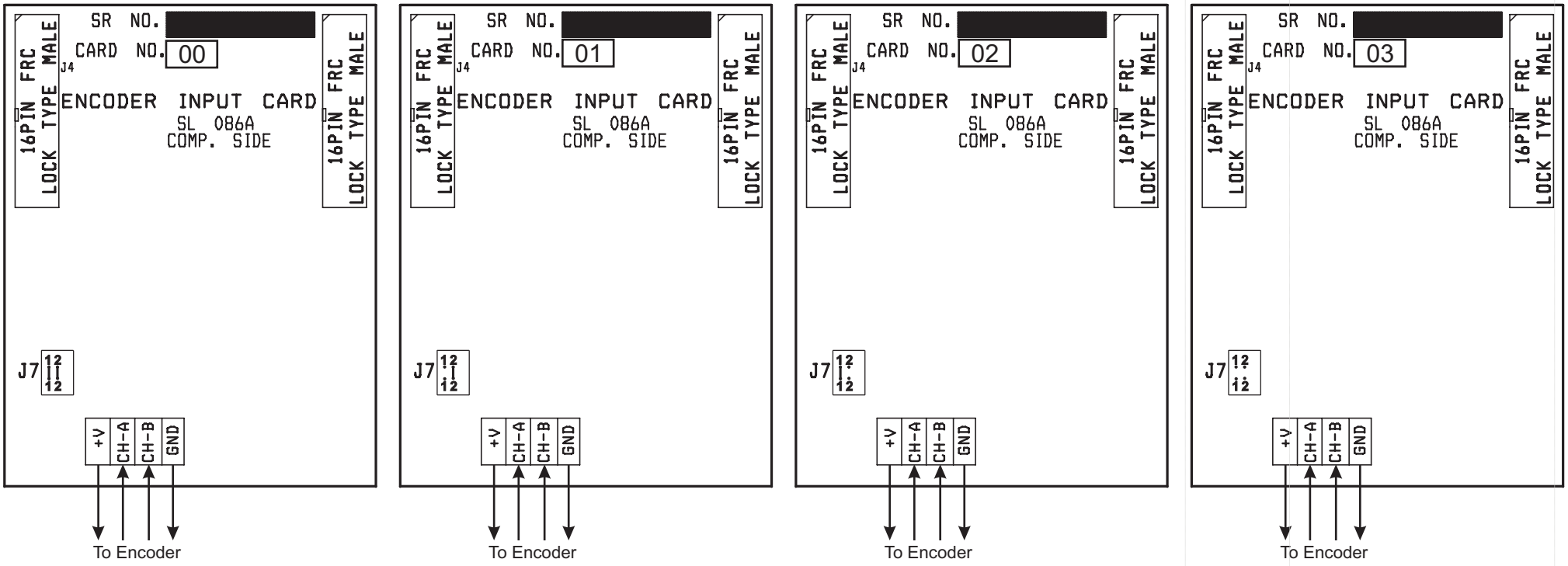
Analog Input Card With
Pressure Transducer Supply



Analog input

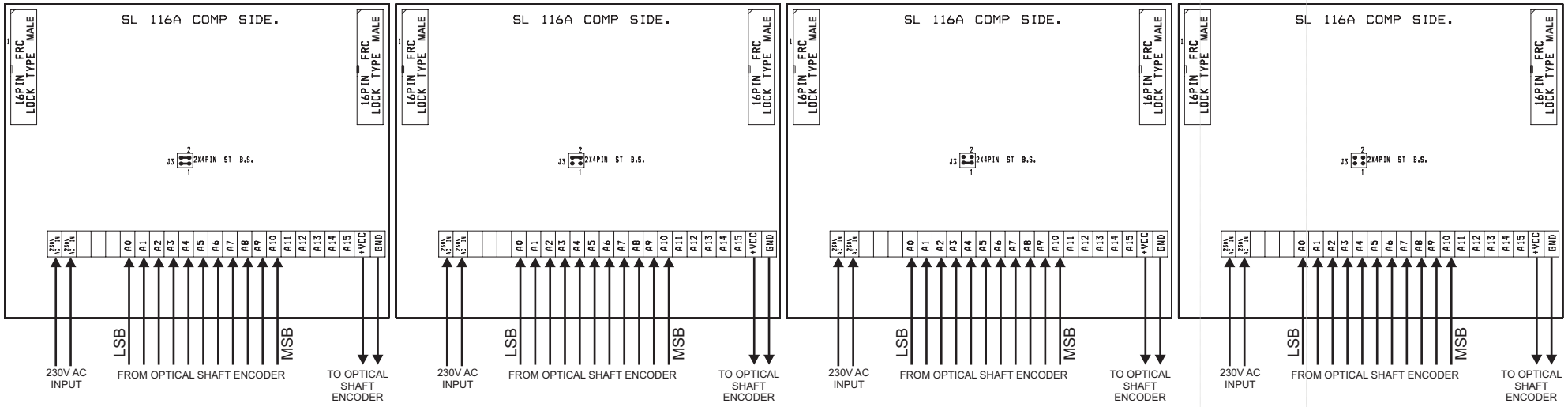

CARD NO.
SR NO.
Temperature Module SL 174C
J11
10PIN FRC LOCK TYPE
To temperature Module
J1
J3
J5
J6
TH1
TH2
TH3
TH4
TH5
TH6
TH7
TH8
Th1 input
To MMI
J23
15 PIN DTYPE PMT RT MALE
SR NO.
CARDNO.
J18
10PIN FRC LOCK TYPE MALE
Junction Card SL 173D
J17
16PIN FRC LOCK TYPE MALE
To Analog Input Module
J4
+24V
GND
AUTO DIESET
RPM
IN FAST
J22
35VAC INPUT
24VAL INPUT
0
32
0
24V
32VAC IN From Transformer
24VAC IN From Transformer

Wiring Diagram For Encoder Input Module



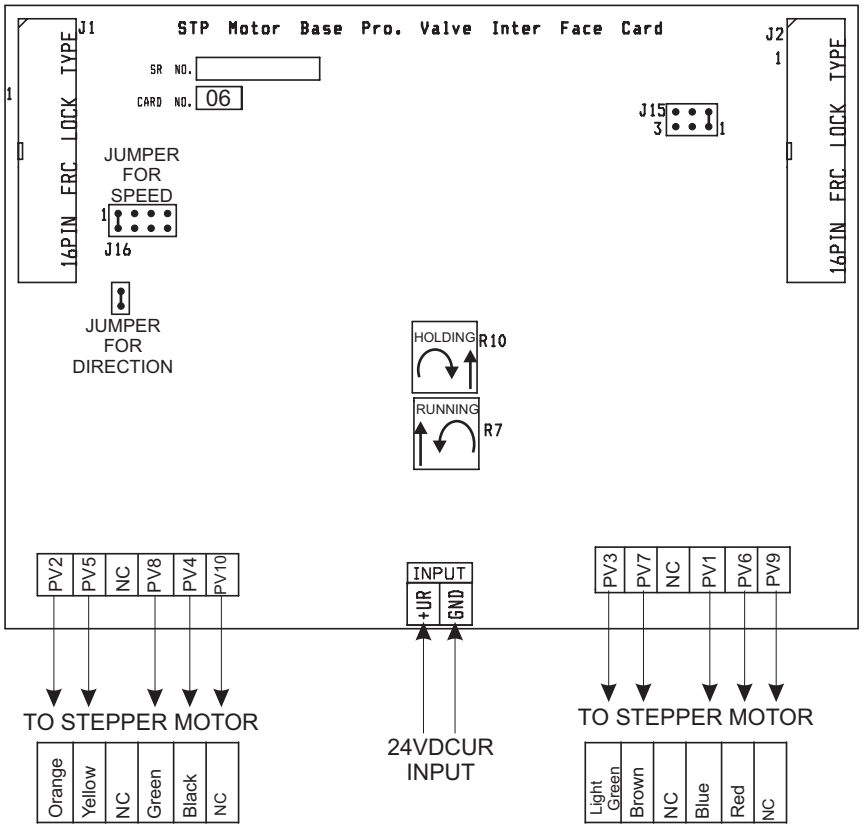
Encoder Input Module Jumper Selection Tabel	
Module Number	J7 Jumper Pin Setting
Encoder Input Module-0	
Encoder Input Module-1	
Encoder Input Module-2	
Encoder Input Module-3	

Note: All Encoder input modules are the same.
J7 position decides Encoder input module number.
For ex. for **J1=0** (Module No: 0), the corresponding input will be EN1 (Encoder Input 1).
for **J1=1** (Module No: 1), the corresponding input will be EN1 (Encoder Input 2).
For description of EN1.. To ENX, Please refer INPUT/OUTPUT list in the operating manual.
All Encoder input modules are same and can be identified by the jumper setting of **J7**.

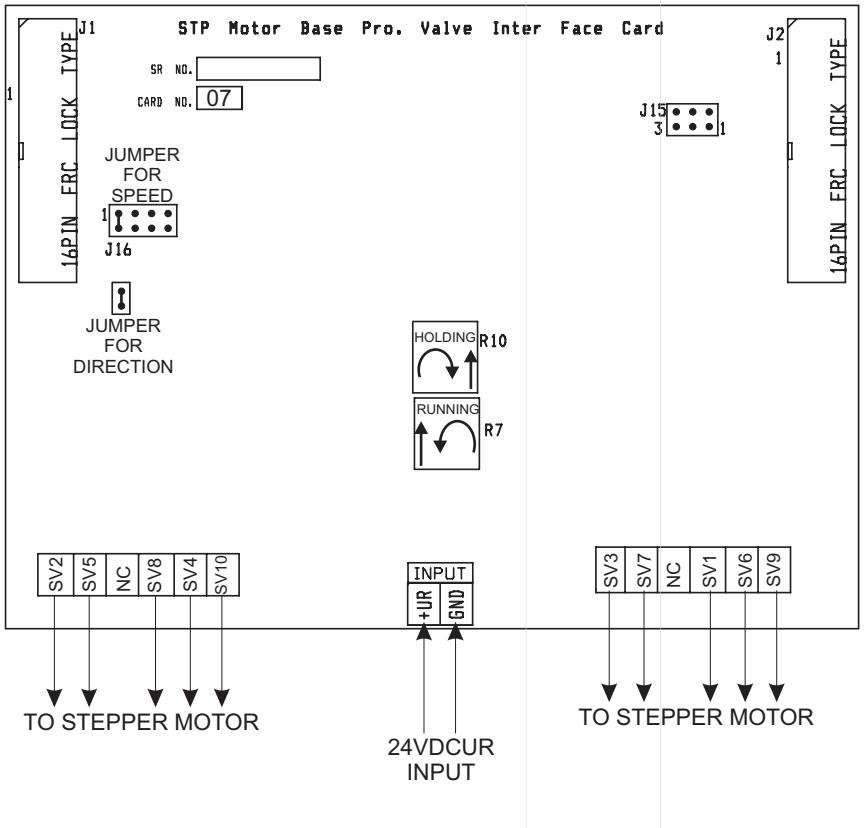


Absolute Encoder Input Module Jumper Selection Tabel	
Module Number	J3 Jumper Pin Setting
Absolute Encoder Input Module-0	
Absolute Encoder Input Module-1	
Absolute Encoder Input Module-2	
Absolute Encoder Input Module-3	

Note: All Absolute Encoder input modules are the same.
J3 position decides Encoder input module number.
For ex. for **J3=0** (Module No: 0), the corresponding input will be EN1 (Encoder Input 1).
for **J3=1** (Module No: 1), the corresponding input will be EN2 (Encoder Input 2).
For description of EN1.. To ENX, Please refer INPUT/OUTPUT list in the operating manual.
All Encoder input modules are same and can be identified by the jumper setting of **J3**.



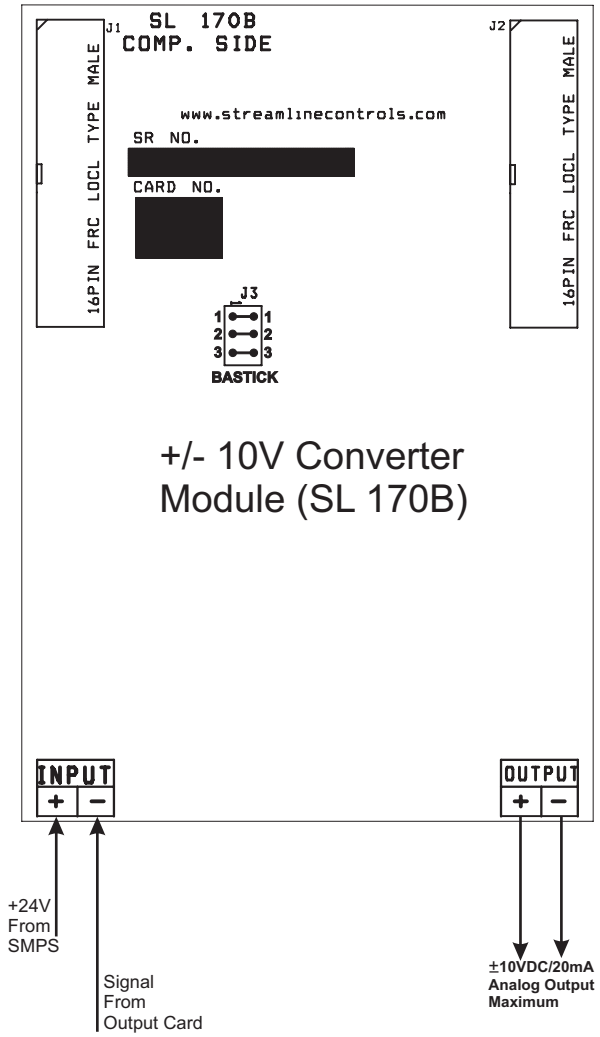
Pressure Stepper Motor Connector Detail	
PV 1	Orange
PV 2	Blue
PV 3	Light Green
PV 4	Black
PV 5	Red
PV 6	Yellow
PV 7	Brown
PV 8	Green
PV 9	White
PV 10	White



Flow Stepper Motor Connector Detail	
SV 1	Orange
SV 2	Blue
SV 3	Light Green
SV 4	Black
SV 5	Red
SV 6	Yellow
SV 7	Brown
SV 8	Green
SV 9	White
SV 10	White

Analog Output Interface with Stepper Module Jumper Selection Tabel	
Module Number	**J15 Jumper Pin Setting**
Analog Output Interface with Stepper Module - 6	
Analog Output Interface with Stepper Module - 7	

Note: All Analog Output Interface with Stepper modules are the same.
J15 position decides Analog Output Interface with Stepper module number.
For ex. for **J15=0** (Module No: 0), the corresponding analog output will be AN1 (Analog Output 1).
for **J15=1** (Module No: 1), the corresponding analog output will be AN2 (Analog Output 2).
For description of AN1.. To ANX, Please refer INPUT/OUTPUT list in the operating manual.
All Analog output Interface with Stepper modules are same and can be identified by the jumper setting of **J15**.



Note : In absent of signal input on terminal -10VDC output coming on output terminal.
On receiving signal input on input terminal +10VDC output coming on terminal.